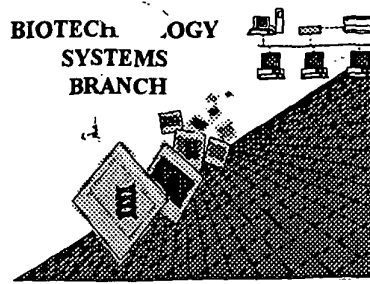


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



TECH CENTER 1600/2900

NOV 13 2001

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/303,518C  
Source: O/P  
Date Processed by STIC: 9/18/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING

DATE: 09/18/2001

PATENT APPLICATION: US/09/303,518C

TIME: 13:05:26

Input Set : A:\CHIR0160.ST25.2of2.txt

Output Set: N:\CRF3\09182001\I303518C.raw

ERRORED SEQUENCES

Does Not Comply  
Corrected Diskette Needed

*all next page*

<1107  
<1207  
<1407  
<1417  
<1607

These mandatory numeric identifiers  
and responses missing.

09/303,578C

2

where are sequences 1-494?

<210> 495  
<211> 3045  
<212> DNA  
<213> Neisseria gonorrhoeae  
<400> 495

```
atgttttggga tagttttgat cgttattgtg ttgcttgccg ttgccggcct gttttttgtc 60
cgcgacacaat ccgaacgcga gtggatgcgc gaggtttctg cgtggcagga aaagaaaggg 120
gaaaaacagg cgagctgcc tgaaatcaaa gacggatagc ccgattttcc cgagttttcc 180
ctgatgcttt tccatgccgt caaaacggca gtgtattggc tgtttgtcgg tgtcgtccgt 240
ttctgccgaa actatctggc gcacgaatcc gaaccggaca ggcccgttcc gcttcttct 300
gcaaaccgtg cggatgttcc gaccgcaccc gacgggtatt cagacagtgg aaacgggacg 360
gaagaagcgg aaacggaagc agcagaagc gcggaggagc aggtgtccga tacggaagac 420
attgcaactc cgttaatcga caaccggcgc atcccatcgc accggagtat tgcggaagg 480
ttgatgcagt ctgaaagcaa aaacttcgcc gtccgtccgg tttttaagga aatcactttg 540
gaagaagcaa cgcgtgcttt aagcagcgcg gctttaaggg aaacgaaaaa acgctatatc 600
gatgcatttg agaaaaacgg aacagccgtc cccaaagtac gcgtgtccga taccocgatg 660
gaagggctgc agattatcgg tttggacgac cctgtgcttc aacgcacgta ttcccgatg 720
tttgatgcgg acaaagaagc gttttccgag tctgcggatt acggatttga gccgtatttt 780
gagaagcagc atccgtctgc cttttctgca gtcaaagccg aaaatgcacg gaatgcgcgc 840
ttcgcgcctc atcgaggga ggagaaaggc caggcggagg caaaatcccc ggatgtttcc 900
caagggcagt ccgtttcaga cggcacagcc gtcccgatg cccgcgcgcg cgtttccgtc 960
aatttgaaag aaccgaacaa ggcaacgggt tctgcggagg cgcggatttc gcgctgatt 1020
ccggaagtc ggacggttgc cgggaaacgg gatgtcgaaa tgcgtctga aaccgaaat 1080
gttttcacgg aaaccgtttc gtctgtggga tacgcgcgtc cggtttatga tgaagctgcc 1140
gatatccata ttgaagagcc tgcgcgcgcc gatgcttggg tggtcgaacc acccggaagt 1200
ccggaggtag ccgtaccgca aatcgatatt ctccgcgcgc ctcccgatc ggaaatctac 1260
aacgctatc atgagccgc gccaggatc gagcagcgc aacgcagccg cattgccgaa 1320
accgaccatc ttgcgcgtga tgttttgaat ggaggttggc aggaggaaac cgcgcgtatt 1380
gcagatgacg gcagtgaggg tgcggcagag cggtaagcgc ggcaatatct gtcggaaacc 1440
gaagcgttcg ggcatgacag tcaggcgggt tgcctgtttg aagatgtgcc gtcgaaacgc 1500
cgtcctgcc gggtatcgga tacggaagcg gatgaagggc cgttccaatc ggaagagacc 1560
ggtgcggtat ccgaacacct gccgacaacc gacctgttc tgcctccgct gttcaatccc 1620
gaggcgacgc aaaccgaaga agaactgttg gaaaacagca tcaccatcga agaaaaattg 1680
goggagtcca aagtaaggt caaggttgcg gattcttatt ccggccccgt gattacgcgt 1740
tatgaaatcg aacccgatgt cggcgtgcgc ggaatttccg ttctgaattt ggaaaaagac 1800
ttggcgcgtt cgtcgcgcgt ggcttccatc cgcgttgcgc aaaccatccc cggcaaaacc 1860
tgcatgggtt tggaacttcc gaaccgaaa cgccaaatga tacgcctgag cgaaattttc 1920
aatcgcccc agtttgccga atccaaatcc aagctgacgc tcgcgcctcg tcaggacatt 1980
accggacagc ccgtcgtaac cgaactgggc aaagcaccgc atttgcgtgt tgcgggacg 2040
accggttcgg gcaaactcgt ggggtgtcaac gcgatgatc tgtctatgct tttcaaagcc 2100
gcgcgggaag acgtgcgtat gattatgac gatccgaaa tgcgtgaatt gagcatttac 2160
gaaggcatca cgcacctgct gccctgtgc gttaccgata tgaagctggc ggcaaacgcg 2220
ctgaactggt gtgttaacga aatggaaaaa cgtaaccgcc tgatgagctt tatgggcgtg 2280
cgcaatcttg cgggcttcaa ccaaaaaatc gccgaagccg cagcaagggg agaaaaaatc 2340
ggcaatccgt tcagctcac gcccgacgat cccgaacctt tggaaaaact gccgtttatc 2400
gtggtcgtgg tcgatgagtt tgccgatttg atgatgacgg caggcaagaa aatcgaagaa 2460
ctgattgcgc gctcgcacca aaaagccgc gcggcaggca tccaccttat ccttgccaca 2520
caacgcccc gcgtcgatgt catcacgggt ctgattaagg cgaacatccc gacgcgtatc 2580
gogttccaag tgtccagcaa aatcgacagc cgcacgattc tcgaccaaact gggcgcggaa 2640
aacctgctcg gtcaggcgca tatgctgttc ctgcgcgcgg gtactgccta tccgcagcgc 2700
gttcacggcg cgtttgcctc ggatgaagag gtgcaccgcg tggtcgaata tctgaagcag 2760
tttggcgagc cggactatgt tgacgatatt ttgagcggcg gcggcagcga agagctgcc 2820
ggcatcgggc gcagcgcgca cggcgaaacc gatccgatgt acgacgaggc cgtatccggt 2880
gtcctgaaaa cgcgcaaaag cagcatttcg ggcgtacagc gcgccttgcg catcggtac 2940
aaccgcgcg cgcgtctgat tgaccaaagc gaagcggaag gcattgtgtc cgcaccggaa 3000
cacaacggca accgtacgat tctcgtcccc ttggacaatg cttga 3045
```

<210> 496  
<211> 1014  
<212> : PRT



Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/303,518C

DATE: 09/18/2001

TIME: 13:05:32

Input Set : A:\CHIRO160.ST25.2of2.txt

Output Set: N:\CRF3\09182001\I303518C.raw

L:0 M:282 W: Numeric Field Identifier Missing, <110> is required.  
L:0 M:282 W: Numeric Field Identifier Missing, <120> is required.  
L:0 M:282 W: Numeric Field Identifier Missing, <160> is required.  
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:498  
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501  
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502  
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:508  
L:1226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:509  
L:1448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:513  
L:2010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:518  
L:2030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519  
L:2548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524  
L:2556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524  
L:3124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:532  
L:3140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:532  
L:3778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:542  
L:3976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:545  
L:4314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:550  
L:4342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:550  
L:4488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:553  
L:4492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:553  
L:4500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:553  
L:4502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:553  
L:4550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554  
L:4558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554  
L:4574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554  
L:4578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554  
L:4582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554  
L:4740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558  
L:4948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:561  
L:5022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:562  
L:5026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:562  
L:5218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:566

## VERIFICATION SUMMARY

DATE: 09/18/2001

PATENT APPLICATION: US/09/303,518C

TIME: 13:05:32

Input Set : A:\CHIR0160.ST25.2of2.txt

Output Set: N:\CRF3\09182001\I303518C.raw

L:5650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:574

L:6008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:577

L:6010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:577

L:6012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:577

L:6020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:577

L:0 M:203 E: No. of Seq. differs, &lt;160&gt; Number Of Sequences:Input (0) Counted (604)